

App. No. 10/536,590
Office Action Dated July 11, 2008

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IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1. (Currently Amended) A medical film comprising a gelatin film,
wherein a reinforcing material that is made of a biodegradable polymer further is provided,
the reinforcing material is disposed so as to extend over an entire area in a plane direction of at least one of a surface and an internal part of the gelatin film,
the reinforcing material and the gelatin film are integrated with each other,
the reinforcing material is a warp knitted fabric,
the warp knitted fabric is in a form of a mesh with diamond-shaped pores or a mesh with hexagon pores, and
a unit of stitches of the warp knitted fabric has a vertical length of 0.5 to 8 mm and a horizontal length of 0.5 to 8 mm, and
a yarn of the warp knitted fabric includes a multifilament yarn and a thickness of the yarn is in a range of 30 to 200 d (33.3 decitex to 222.2 decitex).
2. (Original) The medical film according to claim 1, wherein the reinforcing material is laminated on at least one film surface of the gelatin film so as to extend over an entire area of the film surface.
3. (Previously presented) The medical film according to claim 1, wherein the reinforcing material is disposed on at least one film surface of the gelatin film so that a part or an entirety of the reinforcing material is inside the gelatin film, and the reinforcing material and the gelatin film are integrated due to gelling of gelatin that has infiltrated partially or entirely in an internal part of the reinforcing material.

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4. (Original) The medical film according to claim 1, wherein the reinforcing material is embedded entirely in the gelatin film, and the reinforcing material and the gelatin film are integrated due to gelling of gelatin that has infiltrated entirely in an internal part of the reinforcing material.

5. (Original) The medical film according to claim 1, wherein the medical film is in a sheet form or in a cylindrical form.

6-10. (Canceled)

11. (Original) The medical film according to claim 1, wherein the reinforcing material is processed by hot pressing.

12. (Original) The medical film according to claim 1, wherein the reinforcing material has a density in a range of 3 g/m² to 200 g/m².

13. (Original) The medical film according to claim 1, wherein the reinforcing material has a thickness in a range of 10 µm to 1000 µm.

14. (Original) The medical film according to claim 1, wherein the reinforcing material has a yarn threading tension in a range of 0.3 N to 200 N.

15. (Original) The medical film according to claim 1, wherein the biodegradable polymer is at least one polymer selected from the group consisting of polylactic acid, lactic acid-caprolactone copolymer, and polyglycolic acid.

16. (Original) The medical film according to claim 15, wherein a molar ratio (A:B) of lactide (A) and caprolactone (B) in the lactic acid-caprolactone copolymer is in a range of 85:15 to 40:60.

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17. (Original) The medical film according to claim 1, wherein the reinforcing material is subjected to a hydrophilicity imparting treatment.

18. (Original) The medical film according to claim 17, wherein the hydrophilicity imparting treatment is at least one treatment selected from the group consisting of plasma treatment, glow discharge treatment, corona discharge treatment, ozone treatment, graft treatment, coating, chemical treatment, and ultraviolet irradiation.

19. (Original) The medical film according to claim 1, wherein the gelatin film is a cross-linked gelatin film.

20. (Original) The medical film according to claim 19, wherein the gelatin film is cross-linked by at least one method selected from the group consisting of ultraviolet treatment, heat treatment, and chemical cross-linking agent treatment.

21. (Original) The medical film according to claim 20, wherein the gelatin film is subjected to the ultraviolet treatment and the heat treatment.

22. (Previously Presented) The medical film according to claim 20, wherein the gelatin film is cross-linked by the ultraviolet treatment under conditions of a power of an ultraviolet lamp of 4 W to 40 W, an irradiation time of 0.1 hour to 100 hours, and an irradiation distance of 5 cm to 100 cm.

23. (Previously Presented) The medical film according to claim 20, wherein the gelatin film is cross-linked by the ultraviolet treatment under conditions of an ultraviolet intensity of 0.05 mW/cm² to 50 mW/cm² and an ultraviolet dose of 1 J/cm² to 100 J/cm².

24. (Previously Presented) The medical film according to claim 20, wherein the gelatin film is cross-linked by the heat treatment carried out under vacuum at a temperature of 60°C to 180°C for 5 minutes to 72 hours.

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25. (Previously Presented) The medical film according to claim 1, wherein a time of presence of the gelatin film in a living body is in a range of 12 hours to 90 days.

26. (Previously Presented) The medical film according to claim 1, wherein the gelatin film has a thickness in a range of 20 μm to 2000 μm .

27. (Previously Presented) The medical film according to claim 1, wherein a concentration of endotoxin contained in the gelatin is not more than 200 EU/g.

28. (Previously Presented) The medical film according to claim 1, which serves as an antiadhesive material.

29. (Canceled)

30. (Previously presented) The medical film according to claim 1, wherein the warp knitted fabric includes yarns formed of a series of intertwining loops.

31. (Previously presented) The medical film according to claim 1, wherein yarns of the warp knitted fabric are tangled with one another at yarn-intersecting portions of a knit stitch structure.

32. (Previously presented) The medical film according to claim 1, wherein neither rupture nor exposure of the reinforcing material occurs when the tension is less than 1N.